CONTRACTOR SERVICES

Established 1848.

the rese

ST. LOUIS, MO. WEDNESDAY, JANUARY 8, 1902.

me LV., No. 2. Volu

| CREATE BRIEF | WELL |

JAN 11 1905 THEOMIAN SET

The Dairy

DAIRY CONVENTION DATES.

Oregon Dairymen's Association at Sa-em, Jan. £, 7, 8, 1902. Oregon Dairymen's Association at Salem, Jan. 6, 7, 8, 1962.

Illinois State Dairy meeting at Freeport, Jan. 7, 8 and 9.

Vermont Dairy meeting, Montpelier,
Jan. 7, 8 and 9, 1962.

Wisconsin Cheesemakers' meeting, Mil-waukee, Jan. 8, 9 and 10, 1902.

Wisconsin Buttermakers' Association at Madison, Jan. 14, 15 and 16, 1902. Hartford,

aska Dairy Association, Lincoln.

Michigan Dairymen's Association, Lan-sing, Feb. 4-6, 1992.
Ohio Dairy Association, Columbus, Feb.

6-7, 1992. Wisconsin Dairymen's Association, Menomonee, Feb. 12-16, 1992. G. W. Burchard, Secretary, Fort Atkinson, Wis. Kansas State Dairy Association, at Manhattan, Kan., March 4, 5, 6, 7, 1992. T. an, Secretary, 505 Polk street,

THE MARION COUNTY (MO.) DAIRY

RURAL WORLD: The Marion Editor RURAL WORLD: The Marlon County Dairy Association was organized Saturday, Dec. 21, 1901. Fifteen of the dairymen and farmers of the county met in the farmer's room of the new court house at Palmyra and effected the organization by electing R. T. Winn president; Jas. Curd, vice-president; Mr. Buckwalder, secretary, and G. S. Keller, treasurer. The object of the association is the finan-The object of the association is the finan cial, intellectual and moral benefit of the members and the development of the dairy industry in Marion County.

At the next regular meeting, on Saturday, Dec. 28, after some discussion of the nnosition of different kinds of feed, it was decided to order a carload of Atlas Gluten meal, it being thought cheaper than brewers' grains. Whether or not it was a wise selection, time will

Some of those present thought it would be all right for dairymen who sold milk in town to feed brewers' grains, as some people might buy the milk thinking it would be flavored with beer, while others would not. But be that as it may, it is a debatable question if a man who has piedged himself to do all he can to prohibit the manufacture and sale of liquor ought to encourage the brewers so much as to buy their by-products. One thing is sure, however, the man that buys much beer will soon have no money with which to buy the dairyman's products. Our creamery is still doing a good business in spite of the fact that a good many cows have to look to the straw pile and me of those present thought it would

ows have to look to the straw pile and fodder shock for all they get to eat, and not always a very plentiful supply of and without any seasoning whatever. Of course we think people are standing in their own light to let a good cow go dry just for the want of a little grain What few cows we are feeding are feed. What few cows we are feeding are more than paying for the grain with the butter fat, besides, who would value skim milk now at less than 50 cents per 100 pounds, to asy nothing of the increased value of the manure? Of course we do not expect this era of high prices to last always, and so cur aim is to get our cows through the winter in good shape and have them ready for business in the opting.

WM. GLENDINNING.
Marion Co., Mo. Marion Co., Mo.

CEDAR HILL JERSEY FARM NOTES.

Editor RURAL WORLD: On Jan. the dairymen of Illinois will meet at Free-port in convention. The program is a attention has been given to the butter and se exhibit. Cash premiums aggregat ing \$274.00 have been provided. The ma-chinery exhibit will be quite complete

Prof. Farrington of the Wisconsin Agrial College will present the subject e Patron's cow. Prof. Erf of the s State University will talk about illinois State University will talk about ifferent methods of cream separation. Prof. G. L. McKay of the Iowa Agricultural College will present subject of Starters in Butter-Making. Our mutual friend, E. M. Wentworth of Marshaltown, Iowa, will tell us about the Decline in Dairying. These are a few of the men and papers that will be presented. I hope to see many good dairymen from Missouri in attendance.

a record of temperature in our cow barn during the recent zero weather, and find that there was an average of 53 degrees in the barn during the week that it was from 6 to 20 degrees below zero outside. It is not necessary to add that our cows, with enslage three times per day, plenty of warm water and sunshine, have given unt of themselves.

good account of themselves. OUR SWINE HERD manager is arranging to overstock the spring market with winter farrowed pigs. He has two young sows with families of six pigs each, and I cannot see but they are doing and I cannot see but they are doing as well as pigs that are farrowed in the warm months. We have some \$xi0 house built of shiplap and lined with tarred pa-per. These houses make ideal places for s per. These houses make ideal places for a sow and her family. On zero nights a lantern is hung in the houses, which keeps out frost well. Our swine department is one of the best paying ones on the farm. We keep only enough hogs to receive the benefit of the skim milk, and are very particular with our breeding animals, only using the best from year to year. We have sold over \$400 worth of hogs this past fall, and these hogs did not consume more than \$5 worth of corn.

JERSEY BEEF.—Last week we dressed an \$-month-old Jersey steer that was

Rheumatism

No disease makes a person feel older.
It stiffens the joints, produces lameness, and makes every motion painful.
It is sometimes so bad as wholly to disable, and it should never be neglected.

ble, and it should never be neglected.

Elsie B. Kirk, Box 247, Montezuma, Iowa, had it in her hips and limbs so that she could not sleep; Mrs. Hattle Turner, Bolivar, Mo., had it so severely she could not life anything and could scarcely get up or down stairs; W. H. Shepard, Sandy Hook, Conn., was laid up with it, was cold even in July, and could not dress himself.

According to testimonials voluntarily given, these sufferers were permanently relieved, as thousands have been, by Hood's Sarsaparilla which corrects the acidity of the blood on which rheumatism depends and builds up the whole system.

Hood's Pills cure constipation. Price Scenz.

reared on skim milk and ensilage, to-gether with a small grain feed. He dressed 250 pounds, and we find the meat very nice. A well-handled Jersey steer is pr.me family meat. COWS COMING FRESH.—Our breeding

equivalent to 29 pounds 5.7 ox. butter, 80 per cent fat, or 27 pounds 6.4 ox. 85.7 per cent fat. This record was made by Minnesota Experiment Station under the direction of Prof. T. L. Hacker. The last three days of the test this cow was under the supervision, day and night, of two representatives of that station. The product during these three days was 10.5622 pounds fat. The largest product for one day was 3.7684 pounds, and was made when under constant watch, on the sixth day of the test. The average per cent of fat during week was 4.02 per cent; during the three days under constant watch-care it was 4.21 per cent.

Supt. H. F. Ad. Reg.

duced to the point where it is necessary to buy fertilizers to put upon the land, the farmer will realize that plant food the farmer will realize that plant food has a market value the same as other marketable products. If he will figure out where these valuable materials have gone which his soil once had, he will find that sometimes crops were soid from the farm for little more or even less than he now pays for the elements of fertility they took away. The following figures show the value of some grains and fodders as fertilizers at the price it would require to buy the same plant food in the ordinary forms of commercial fertilizers:

bushel of wheat bushel of corn

ton timothy l

1 ton timothy hay	even if the volume is not great the color is there and often carries the day in the close struggle for customers. Not only the cream but the milk itself looks yellow and rich and the eye always helps the taste. In these days of close competition there is no factor of the dairy of more value, if you want to win than the Guern-sey bull. If he is got from a deep heavy milking dam, his calves will help to swell the yield of the herd.	
the first principle: the feeding on the farm of the feed stuffs raised. Livestock of all kinds are well adapted for this purpose, but the dairy cow especially so. When grains are all fed on the farm, in the first place all these elements of value	The lamp with wrong chimney is	
as piant food are kept there. As a rule more or less feed will be brought onto a dairy farm, although it is not necessary in Missouri most years. A ton of cotton- seed meal, for instance, which is one of	like a letter without	
the cheapest dairy feeds this winter, brings onto the dairy farm as much y value in the way of a fertiliser as it costs. When fed to cows, a feed of this	a stamp: Don't	

THE OLEOMARGARINE FIGHT

ONE DOLLAR &

The Jersey Bulletin The only strictly Jersey cattle and purely dairy publication. Reduced to One Dollar a Year.

dressed 299 pounds, and we find the meak very nice. A weil-handed 24-resy steer is a condition of PRESH.—Our breeding report shows we will have 21 fresh cows during next ak weeks. One freshened yesteday morning and blift fair to make it as nice profit above feed during the next few months of high price daily professed with the profit of the profit of

under the supervision, day and night, of two preparentatives of that station. The product during three three days was a sizes pounds, and was made and any of the test. The average per cent of the units of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the three days of the test. The average per cent of the test of the test of the trouble could not be remeded as the trouble could not be remeded to a make even dould be some excuse for the existence, which the trouble could not be remeded as the trouble could not be remeded as the trouble could not be remeded as the trouble could not be remeded to the trouble could not be remeded as the trouble of the trouble could not be remeded as the trouble coul

The Guernsey is a representative of the intermediate or middle size dairy breed. The natural temper of this breed is particularly docile. The buils are mild tempered and are rarely known to hurt any one or break out of the pasture.

This quality of good temper, along with the most excellent milking qualities of the cows, makes the Guernsey buil a favorite for placing at the head of herds of native cows, especially when butter is to be made. Guernsey milk is very rich. Those dairymen who sell milk directly to city customers should use Guernsey buils for the reason that it is becoming quite the practice in all large towns and cities to use the Babcock or other milk test to prove the richness of the milk. Even a touch of Guernsey blood in the herd helps to use the Babcock or other milk test to prove the richness of the milk. Even a touch of Guernsey blood in the herd helps. The bottle has almost entirely revolutionized milk delivery in cities. The result is that every housewife holds the bottle lass almost entirely revolutionized milk delivery in cities. The result is that every housewife holds the bottle lass almost entirely revolutionized milk delivery in cities. The result is that every housewife holds the bottle lass almost entirely revolutionized milk and judges the quality of the light and judges the q Market value as fertiliser.

Market value as the very housewife holds the both always place it in a stanchion at feeding time after it gets through eating, so that the breeds, being romarkably yellow, and breeds, being romarkably yellow, and elose true if the volume is not great the color and volume of the calves remain with their mothers until they are three or four days old. Probably the latter has more followers than the former. It is evident that either proceeding gives good results and may be adopted without detriment to the future welfare of the cows.

Market value up to the light and judges the quality of the milk by the color and volume of the will not form the habit of sucking the true after it gets through eating, so that the light and judges the quality in the light and judges the quality in the latter has more followers than the former. It is evident that either proceeding gives good results and may be adopted without detriment to the future welfare of the cows.

To CURE A COLD IN ONE DAY

Take Laxative Bromo Qulaine Tablets.

The result in the always place it in a stanchion at feeding time after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets through eating, so that the lime after it gets

TO CURE A COLD IN ONE DAY
Take Laxative Bromo Quinine Tablets
All druggists refund the money if it failt
to cure. E. W. Grove's signature is or
each box. 25c.

MAMMARY DEVELOPMENT.

One can easily have too large a mam mary development in a dairy cow. I have one such in my herd at present. She was born in such a shape as to make so much milk as to weaken her general system and to induce udder troubles, says Dr. Kitchen in "Hoard's Dairyman." But it is a sure thing that it to be delivered. sure thing that in the dairy cow, if the milk-forming apparatus is not sufficiently t developed, a waste of food will result. The excess of created nourishment will be used up in the relatively too large general system, or it will pass through the body

MACBETH.

My name on every one.

If you'll send your address, I'll send you the Index to Lamps and their Chimneys, to tell you what number to get for your lamp.

MACBETH, Pittsburgh.

MACBETH,

Intuitiesed.

But not only must the improved dairy cow have the large mammary development, she must have equally with the send cow have the ability to digest and absorb from the food eaten its nutritive elements to the greatest possible degree. Cows, as well as human beings, vary largely in this capacity. The possession of a big appearance of the digestive power. Some human beings are enormous eaters, simply

While, the National Live Stock Association was meeting in Chicago and denouncing any legislation that should look toward controlling the sale of oleomargarine and pledging itself to spare neither money nor effort to defeat any bill that purposes to regulate the sale of fraud butter, the dight for pure butter was begun in congress. The Grout bill was beaten last winter only by the sharp practice of the legal advisers of the oleomargarine interests and this sension the same crowd is lined up on each side to fight out again the old battle. Mr. Grout being out of congress. Representative Tawney of Minnesota has introduced a bill which in our opinion, is still better, in that it proposes to abolish altogether any tax on oleomargarine which is solid uncolored and so marked that its true character shall be known to the buyer. When colored the Tawney bill provides a tax of 10 cents a pound.

It seems to us that this cuts the ground entirely from under the feet of the oleomargarine makers and their followers, the members of the National Live Stock Association. The Tawney bill provides that the "poor man's butter" shall be sold without restrictions of any kind, when offered in its natural, uncolored condition. If it is such a blessing to the lower than the country told me that he fed his calves to fatness, because that here of support several individuals of healthy digestive ability. In the sold into blood, and thus supply the provide the fight out of the cow. Hence it becomes a matter of great importance that breeders should so manage their stock as to develop the peculiar digestive functions which are at the bottom of milk production. So far as my observations have sone, breeders pay little or no scientific attention to this point. They breed for large udders, external dairy form and large storage capacity for food, which may or may not be well digestive during with concentrated and highly digentible food.

The manager of one of the most prominent hered in the country told me that he fed his calves to fatness, because

should create a product symmetrical in all good dairy qualities. Perhaps the dairy farmers can best furnish the constitution and digestive capacity.

Do not allow any of the particles butter to be lost. They are worth money and correspond to profit and loss.

"INCURABLE" HEART DROPSY SPEEDILY CURED.

The Well Known Heart Specialist FRANKLIN MILES, M. D., LL. B., of Chicago, Will Send \$3.75 Worth of His New Dropsy Treatment Free.

great dropsy discovery will almost in variably prevent. So certain are the re

rope.
Send full address, before this liberal of-fer expires, to Dr. Franklin Miles, 291 to 209 State St., Chicago, Ill., with history of your case. Please mention this paper.

A JACK OF ALL TRADES .- We call A JACK OF ALL TRADES.—We call attention to the engine especially adapted to farm work, called "Jack of All Trades." manufactured by Fairbanks, Morse & Co. and advertised in this issue. It costs but two cents an hour to run this new engine. If you desire to know more about it mention this paper when writing for particulars. for particulars.



Schley Didn't Need any vindication; nor does Page Fence. The whoi truth may be told of either without injuring them PAGE WOVEN WIRE PENCE CO., ADRIAN, MICH.

CURVE of LONG LIFE AMERICAN PIELD FENCE Sures Time, Money, Stock and Crope. AMERICAN STEEL AND WIRE CO-Chicago, New York, San Francisco,



PG. CO., Sprin ALLIGATOR BRAND



\$5,000.00

a would-be competitor in such regard we offer Five Thousand Dollars to be divided in equal amounts of One Thousand Dollars each between the State Experiments Stations of Wisconsin, Minnesota, Vermont, Ohio and Cornell University, if the DE LAVAL CREAM SEPARATORS did not receive the GRAND PRIZE at the PARIS EXPOSITION; provided the concern which has indulged in so much unscrupulous advertising in this connection will within ten days denosit a similar amount, to be used in like man ment of Agriculture, Washington, D. C., if the De Laval machines did receive such an award,—decision in the matter to be left to Major Alvord, who was in Paris in an official capacity and who is ubtedly familiar with the facts.

TESTS OF SEPARATORS.

It being agreed and a part of the understanding that such ounts shall be used by the various Experiment Stations named in the conduct and publication during the year 1902 of thorough practical-use tests of all makes of CREAM SEPARATORS or

The De Laval Separator Co.

New York, Jan. 2, 1902.

"Invincible, Unsurpassable, Without a Peer,"

Writes a regular subscriber, who has read it for many years, of the

St. Louis Globe-Democrat

and this is the unanimous verdict of its more than helf a million readers. It is BEYOND ALL OOMPABHOS, the biggest, best and chaspest sational news and ramily formal published in America. It is STRICTLY REPUBLICAN in politics, but is above all A NEWSPAPER, and gives ALL CRIE NEWS promptly, accurately and impartially. It is INDISPERSABLE to the Farmer, Merchant or Professional man who desires to keep theroughly posted, but has not the time to read a large daily paper, while its great variety of well-selected reading matter makes it Farmer, Merchant or Professional man who desire time to read a large daily paper, while its great va-an INVALUABLE HOME AND PAMILY PAPER.

One Dollar For One Year. Sample Copies Free.

GLOBE PRINTING CO., ST. LOUIS, MO.

Rural World and Globe-Democrat-Either Address, Both for \$1.50 net.

The Twice-a-Week Republic

is the Greatest and Best of all Newspapers.

Its Telegraphic and Cable News Service excels that of any other paper. It prints the new news fully; not imaginative occurrences, but domestic and world-distant facts. Now is the time to subscribe for the best medium keeping in touch with the whole world. It is DEMOCRATIC in politics, but distinctly a NEWSPAPER and Family Journal. REMEMBER

THE SUBSCRIPTION PRICE of \$1.00 gives you two papers each week, 104 papers a year. It is printed every Monday and Thursday. Address all orders to

THE REPUBLIC. ST. LOUIS, MO.

Rural World and Republic, either address, both for \$1.50 net.

FACTORY LOADED SHOTGUN SHELLS "New Rival" "Leader" "Repeater"

F you are looking for reliable shotgun ammunition, the kind that shoots where you point your gun, buy Winchester Factory Loaded Shotgun Shells: "New Rival," loaded with Black powder; "Leader" and "Repeater," loaded with Smokeless. Insist upon having Winchester Factory Loaded Shells, and accept no others. ALL DEALERS KEEP THEM



H. W. KELLOG CO., St. Paul Minn. FOR SALE AT AUCTION

on the 31st inst. Eleven American Cattle Club Jerseys, Females. For catalogus and particulars address, E. J. SMITH, Atty.,

A. J. C. C. JERSEYS. Two Golden Lad bull ealves for reasonable. A chance seldom had.

HAVE YOU SEEN THE Jack of All Trades?

WATER-CORN— GRINDS FEED— CHURNS BUTTER-

IT IS A NEW ENGINE MADE BY Kansas City St. Paul

Fairbanks Morse & Chicago Cleveland Cincinnati Detroit Louisville Indiananali

Minneapolis
Omaha
Denver
Salt Lake City
San Francisco
Los Angeles
Portland, Ore

A MAN SAVED his Mill Does 25



ARE YOU WITH US?

THE DEALER IS AGAINST US

ADVANCE FENCE ADVANCE FENCE COMPANY,

Horticulture

DI

es on one njuring weeps lettion. (Also 25 H.P. d. Ind.

nt

2

A 190

THE FRUIT INDUSTRY OF CALIFORNIA.

A very valuable bulletin has recently came to our desk entitled "Statistics on the Fruit Industry of California," by Edwin S. Holmes, Jr., Field Agent, Division of Statistics of the United States Departs of Statistics of the United States Departs of Agriculture. The immensity of Agriculture and Agriculture of Agr

Horticulture

The state of the

A. Robnett of Columbia, was read by C. H. Dutcher of Warrensburg. Mr. Robnett is a strong advocate of cul-tivation in dry weather as a means of combating the drouth.

stered to make. This circumpencest will over the interest the steps authority of out the common terms as the product of the common terms as the common



introduced such SUPERB NOVELTIES of Vegetables and five finest Flowers are show from photographs and all honestly described in 2. This "leading American Seed Catalogue" in y. Write to-day, a postal card will do. W. ATLEE BURPEE & CO., Seed Growers, PHILADELPHIA.

During our Eighteen Years Growing and Handling Seed Corn as a Specialty, we have ever found any Variety, Kind, Sert or Color equal to, and so Well Adapted to all secons, climate and soil as our 16WA SILVER MINE and IMPERIAL, white varieties, and URC OF MISHMA, yellow. They Always Crow the Biggest Crops, and last season, seed the Dreuth Sectior and Made Signer and Setter Crops Everywhere than any other wire in Existence. Write for prices, catalog, samples and "Mant the Man who Planted in Seed has is say, Free. A50-page "Seek on Corn Growing" for 4c in stamps for stage. PMCE, \$1.75 per bushel; 10 bushel and over \$1.65; Bags free aboard the we here.

J. R. RATEKIN, & SON, Shenandoah, Iowa.

Nursery and Florist's line. Direct deal with us will insure you the best and under. Mail size postpaid, larger by freight or express, act arrival and satis in guaranteed. Try us. A valuable 169 page Catalog for the saking. By cars

GET OUR FREE LIST of Farm Bargains. H. Morton & Co., Gen. Land Agts. Agricursi, Mineral, Coal and Timber Land. Office, Lincols Trust Building, St. Louis.

FARMS.

FARM FOR SALE, located 2 miles west of New London acres located 2 miles west of New Lon S. Co., Mo. For particulars inquire of E. P. CONFRY New London, Mo.

Don't Rent Establish a

Home of Your Own

Read "THE CORN BELT," a hands monthly paper, beautifully illustra containing exact and truthful infor-tion about farm lands in the W truthful informa ds in the West send 25 cents in postage stamps for THE CORN BELT.

Secure Your Seed Corn Early. I have a clear or white corn for sale at \$1.75 per bushel rge for sacks.
HENRY FELLOWS,
reace, Bank of Colfax. Colfax, Iowa

WRAGG TREES We Grow Thom So we can guaran too thom. All the varietie So we can guaran too thom. All the varietie known as "best eries. Handsome illustrated cata-..OENTRAL NURSERIES..

J. WRAGG & SONS CO., WAUKEE, IOWA



cer of the Mille J. J. H. GREGORY & SON, Mark

MEBRASKA TREES NOVEST IN QUALITY OF THE







DATE CLAIMS FOR LIVE STOCK SALES.

January 28 to 31, 1902.-Sothams' annual Criterion Sale, at Kansas City. Jan. 14, 15 and 16.—Cornish & Patten, Os Mo., and others, at Kansas City, Hereford cattle.

1902.—Biltmore Farms (Biltmore, Annual Brood Sow Sale. and others, at South Omaha, Neb. Here-ford cattle. 11-12, 1902.—Redhead Anisty, Boyles

ford cattle.

March 6-7.-I. M. Forbes & Son, Henry,
Ill.; J. F. Prather, Williamsville, Ill.;
S. E. Prather & Son, Springfield, Ill.;
C. B. Dustin & Son, Summer Hill, Ill.;
T. J. Wornall, Mosby, Mo., and others,
at Chicago, Ill. Shorthorns.

March Il.-W. P. Nichols, West Liberty,
Lowa. Shorthorns.

Iowa. Shorthorns.

June 19.—C. E. McLane, Danville, Ind.,
at Indianapolis. Double Standard Polled

The "National Hereford Exchange" u

follows: March 25-27, 1902.—Chicago April 23-24, 1902.—Kansas City. May 27-29, 1902.—Omaha. June 24-26, 1902.—Chicago.

ABERDEEN ANGUS CATTLE. Feb. 4-6.—Combination sale, W. C. Mc-Gavock, mgr., Chicago. Jan. 22.—E. E. Axline, Oak Grove, Mo.

Poland-Chinas. April 19-11.—Combination sale, W. C. Mc-Gayock, mgr., Kansas City. wock, mgr., Kansas City. 10-11.—Combination sale, W. C. Mc-

mgr., Chicago. NATIONAL SHORTHORN SHOWS AND BALES. 18-At Chicago, Ill., George Allen,

Feb. 18—At Chicago, III., George Anea, Allerton, III. March 11 and 12—At Trenton, Mo., com-bination sale, H. J. Hughes, secretary. March 19—At Kansas City; W. R. Nel-son, dispersion sale. March 20—At Kansas City; B. B. and H. T. Groom, Pan-Handle, Texas. March 28—At Vandalla, Mo., Robinson Bros. & Weight.

May 3-At Columbia, Mo., Boone County Shorthorn Breeders' Association orthorn Breeders' Association. 14-At Kansas City, Mo.; W. T. and May 14-At Kansas Ci., H. R. Clay, Plattsburg, Mo.

SOTHAM'S CRITERION SALE.

Taking the records of the past few years, Mr. Sotham deals not the least in assumption when he cails his annual offering from Weavergrace a "criterion sale." He speaks by the book, by the figures; he speaks by right of the verdict that Hereford breeders have set on the produce of his herd. Again this year he is joined by a strong following, and announces "the greatest public offering ever put before the American public." The names of some of the sellers and some of the buyers of the highest-priced lots ever sent under the hammer appear in the list of contributors to this exceptional offering, and their herds certainly contain the material to make good in full degree Mr. Sotham's representations as to the character of the cattle to be sold at Kansas City Jan. 28-30. The record of the past year has inspired breeders with perfect confidence in the results when their top estrie are presented through the auction ring and we look to see a sensational lot of Herefords sent forward. of Herefords sent forward.

Buyers may bid with absolute confi-

dence. The stock cataloged represents the cream of the breed, and is of sterling merit. Primarily the end of breeding the "white-faces" is beef. The establishment which bred and fed the champion bullock of the International and the champion grade bullock at that show contributes to this saie. The man who fed the grand champion load of cattle at the International contributes to this sale. It is a fair, assumption that Mr. Henry and Mr. Black assumption that Mr. Henry and Mr. Black know the type that proves profitable. No man has made keener competition for the high-priced Herefords of recent years than Jesse Adams; he sends cattle, F. A. Nave's mark has been indelibly left on Hereford history in the show and sale ring; his new herd will be represented. Clem Graves has bought the champions at the highest prices; he will submit samples of his herd. Geo. H. Adams can compare herds with any one; S. H. Godman is one of the most inveterate buyers of good cattle; C. B. Smith has bred animals that will live in history; Makin Bros., The Egger Hereford Cattle Co., B. E. O. Keyt, James Paul and T. H. Granchers each all the former terms of the most investigation. B. E. O. Keyt, James Paul and T. H. Carrothers are all of known ability as breeders of top cattle, and then there is

Weavergrace.

If contributions from these herds cannot set the mark for the new year in quality of cattle, then it is useless to try to establish a "criterion sale."—Breeder's Gazette.

COMMENDS CHAS. W. ZWILLY

As an Auctioneer.

Editor RURAL WORLD: Permit me to say a few words in behalf of Mr. C. W. Zwilly of Fremont, C., whose advertisement as an auctioneer I notice in tisement as an auctioneer I notice in your columns. He is certainly an auctioneer of more than ordinary ability, and is able to arouse intense interest among the bidders, and creating thereby lively bidding. I can sincerely recommend him to live-stock breeders as having the tact, talent and experience that are invaluable to all who will have auction sales of live stock.

Sandusky Co., O. D. L. BURGOON.

The free copies a free copies

STOCK NOTES.

SULLIVAN, NORTH CENTRAL MO-tock cattle are very low owing to the ligh price of feed. JAMES CLARK.

CALDWELL CO., N. W. MO.-Many G. W. DARETY.

LACLEDE CO., SOUTH CENTRAL

CRAWFORD CO., E. E. MO.-Horses nd mules have been in demand, and reity of feed has forced the selling other stock, so there is a decrease in T. N. REEVES.

JACKSON CO., N. W. Mo.—Cattle, hogs and sheep have been sold in great numbers, because of the drouth and

DENT CO., S. E. MO.—The crop failure compelled the marketing of all stock that could be sold, thus causing a great de-rease in number on hand. Many horses have died since December 1, probably from eather worms. ave died since rom eating wormy corn. J. G. HUNT.

DE KALB CO., N. W. MO.—Higher prices have attmulated the production of corses and mules and caused an increase in number, while the drouth and thort crops have caused a decrease in number of cattle and hogs.

A. E. PONTIUS.

NEW MADRID CO., S. E. MO .- Our tock is nothing fancy, yet we have some tood stock. We have lost several head f horses and mules from bad corn, and

THOMAS RAIDT.

D. W. BLACK, Lyndon, Ohio.

F. A. NAVE, Attica, Ind.

C. B. SMITH, Fayette, Mo.

S. H. GODMAN, Wabash, Ind.

JESSE C. ADAMS, Moweaqua, III.

MAKIN BROTHERS, Lee's Summit, Mo.

GEO. P. HENRY, JOHN LETHAM, Goodenow, III.

BARY CO., S. W. MO .- Our county has been so drouth stricken that all kinds of stock are at bedrock prices. It is a harvest time for those who are in a po-sition to take advantage of the situation. If we have anything to sell, the question is not what it is worth? but what can we H. S. HORINE.

ANDREWS CO., N. W. MO.—Hogs are selling from \$4 to \$8.50 per cwt. The most of the hogs in the county will average from \$0 to 100 pounds. The greater por-tion of the old sows has been fatted and Leeeeeeeeeee

is a falling off in the nu JASPER BLINES.

CARROLL CO., NORTH CENTRAL MO.—On the bottom lands, where corn and other feed are more plentiful, farm-ers and feeders are holding on to hogs

The grand total of receipts for year 1901 are as follows: Cattle, 892,270; hogs, 1,924,206; sheep, 520,313; horses and mules,

exceeded the total of the previous year by 514,200, of 1899 by 552,130, and of 1898 by 607,887. The gain was in cattle, hogs and head of cattle have fell dead ber of horses and mules handled. Horse dealers say that the drouth of last sum mer is responsible for the decrease in the are favorable for the market to retrieve its losses in this respect this year, as conditions are much more favorable. SHEEP.—In the handling of sheep the local yards not only broke all previous records, but did a volume of business that will place it among the leading markets of the world for this class of trade. With the growth of the business there has been a satisfactory improvement in prices that has encouraged shipments. HOGS.—Porkers found a good market in St. Louis juring the year, and at no its losses in this respect this year, as

can herds will be contributed by the following breeders:

hogs were received and better prevailed than for the year pre-which put the shippers in a better and promises St. Louis a bigger

1,618,000 604,281 435,893 408,984 416,146 520,313 1,630,773 1,728,317 1,800,942 1,791,986 1,920,206

THE HEREFORD SALE

THE GREAT HEREFORD COMBINATION SALE.

AT KANSAS CITY, MO.,

JAN. 14, 15, 16, 1902.

200 REGISTERED HEREFORDS

TO BE SOLD AT PUBLIC AUCTION.

A BREEDERS' SALE OF BREEDING CATTLE

The herds contributing number jointly about 3,500 head of regisered cattle, with an annual increase of 1,400 head. Many of the plums of the last three crops of calves will go to the highest bidders

SALE WILL BEGIN PROMPTLY AT I P. M. ON TUESDAY, JAN. 14.

CONTRIBUTORS:

Henry Ackley, Wellsville, Kans., 3 head. Est. of K. B. Armour, Kansas City, Mo., 8. Cornish & Patten, Osborn, Mo., 15. E. A. Eagle & Son, Rosemont, Kans., 10. Funkhouser & Ackley, Wellsville, Kans., 3. Funkhouser & Larson, Everest, Kans., 2. Benton Gabbert & Son, Dearborn, Mo., 25. Jas. A. Gibson, Odessa, Mo., 6. Gudgell & Simpson, Independence, Mo., 10. O. Harris, Harris, Mo., 9. Jones Bros., Comiskey, Kans., 8. J. S. Lancaster & Sons, Chandler, Mo., 10. J. A. Larson, Everest, Kans., 1. L. P. Larson, Powhattan, Kans., 1. Lowell, Barroll & DeWitt, Denver, Colo., 20. C. N. Moore, Lee's Summit, Mo., 6. T. C. Sawyer, Lexington, Mo., 4. Scott & March, Belton, Mo., 10. C. A. Stannard, Emporia, Kans., 5. Steele Bros., Belvoir, Kans., 12. Steward & Hutcheon, Greenwood, Mo., 6. R. T. Thornton, Kansas City, Mo., 2. N. H. Woolston, Sugar Lake, Mo., 1.

FOR CATALOGUE WRITE TO C. R. THOMAS, Secy. 225 WEST 12th ST ...

Reduced Rates on all Kaliroads

cair. There is also one daughter of North Star who will be remembered as being the largest buil sold in the combination sale in Kansas City in 1889. The four buils are large, thrifty fellows, from if to 20 months old. Special attention might be called to Commodore, by Ben Plutarch V. To Grove 3d. He was calved May 8, 1909, and the call of Coronet 6th, she by Calved May 8, 1909, and the call of the c

BULL BUYERS should be particularly attracted by the number and quality of the bulls to be sold. The range trade can find what it wants in sufficient number to make it an object, and their are also plenty of individuals with the breeding and quality that is needed in a heid bull.

Chillicothe, Mo., Comrade 107718, the first calf ever gotten by Improver. Comrade, besides being the first son of Improver, is one of his best, being very much like Improver in the great weight obtained in the most compact form. Mr. Richard Walsh, manager of the Paloduro ranges, was the competing buyer for Comrade. Comrade's dam was Camilla, by Corrector, out of Pretty Pace 2d, the dam of Mr. Geo. P. Henry's celebrated champion yearling steer at the recent International show at Chicago; Pretty Pace 2d being by a son of The Grove 3d, and out of the celebrated champion and royal winner of further particulars in case you are interested.—Ed.)

YOU DON'T NEED THIS

E. J. CARVER, Box 15, Colo, Ia.

HEAD- SHORTHORNS

CEDAR VIEW AND GROVE HILL

FROM the best imported and native strains. Parm 5 miles from station; telephone. Visition met. Committee from the first station of the months, for and solicided. If young built, it is months, for and solicided. The station will be solicided to the months for all solicided to the solicided to th

a userul and attractive lot.

RAILROAD RATE—A rate of one fare plus ii for the round trip will be in force from all points in the central and south-western states on account of the sale. Tickets go on sale the 12th inst. The favorable railroad rates and the size and quality of the offering make this an exceptional opportunity for the purchase of Herefords.

LE. HABELTINE, Dorchester, Greene Co., Me

Shorthorn Cattle, Berkshire Hoge, Angora Goats, Light Brahma and Golden Scabright chickens. Stock and eggs for sale Call on or address J. J. LITTRELL, Sturgeon, Mo.

This, it must be admitted, is very rare blood, and we are not surprised therewill be remembered that Mr. James Paul, propristor of the Brookside herd of Hereford cattle at Patch Grove, Wis., purchased from T. F. B. Sotham of the Weavergrace Breeding Establishment, Chillicothe, Mo., Comrade 19718, the first call fever exiden by Improver. Compade

a st value simp proped. dang proped. dang whe in t says sure in a that the standard the standard more countries bose srongers.

HEREFORDS---200 200---TOP

SOTHAM'S

KANSAS CITY KRITERION SALE

HEREFORDS

KANSAS CITY, MO., FINE STOCK PAVILION

JANUARY 28, 29, 30, 1902

I am instructed by the following contributors to announce the greatest public offering of Herefords ever put before the American public. As a guarantee of the surpassing excellence of this offering, I have only to announce that selected animals of the best character representing the greater English and Ameri-

Each contributor a recognized leader in his own district, and almost without exception every contributor has earned world-wide reputation for great good intelligently done to American agriculture through specially celebrated achievements with Hereford cattle. Wherever Herefords are known these names are respected and any transaction backed by any one of these names is guarantee absolute of its genuine ness and honesty. An event therefore-like the Kriterion-participate ed in, heartily, by all, my fore have an international or world-wide character. As the "century opener" was the Hereford event of 1901, so the Kriterion will be the Hereford event of 1902.

MAKE YOUR ARRANGEMENTS TO ATTEND THE MARKER OF THE HEREFORD YEAR.

Special evening entertainments apropos to the occasion will be provided; seasonable, new, instructive and enjoyable features for all who attend. Come and participate, enjoy and learn about the Hereford, whether you desire to buy or not. Catalogues ready on New Year's way. Wishing all lovers of pure-bred live stock a happy Christmas and prosperous New Year,

YOURS FAITHFULLY, T. F. B. SOTHAM, Chillicothe, Mo.

CLEM GRAVES, Bunker Hill, Ind.

EGGER HEREFORD CATTLE CO.,

T. H. CARROTHERS, Ryan, Ia.

B. E. KEYT, Mellott, Ind.

JAMES PAUL, Patch Grove, Wis.

GEO. H. ADAMS, GEO. F. MORDAN. Linwood, Kan. T. F. B. SOTHAM, Chillicothe, Mo.

On and after Jan. 1, 1902, copies of my Treatise and Hand-book on Herefords will be priced 50c. for paper covers and \$1 for Morocco binding. The edition of 10,000 being about exhausted prohibits further free copies after that date. Catalogues and other literature free as usual.

MONTGOMERY CO., N. E. MO.—
Weather is generally favorable, but there is considerable loss of live stock, horses and mules from eating wormy fodder, it is supposed, and cattle from insufficiency of feed.

After Abortion Cows should be injected with Hood Breeding Powder. Used in connection to the connection of the conn

Breeding Powder. Used in connection with Hood Farm Abortion Cure it is the best means of preventing abortion.

Two sizes each, \$1 and \$2.50. To any railroad or express point in U.S., 25 cents additional. C. I. Hood & Co., Lowell, Mass.

LARGEST YEAR STEER IN WORLD



A \$3000.00 STOCK BOOK FREE

FF MAILED TO EVERY READER OF THIS PAPER.

This Book Cossisies 483 Lerge Cosper Engravings of Rosses, Casilos, Sheep, Rep., Poultry, etc., and of this Book Interest and Stock Cost of the Cost of the Stock Interest of of the

18th—Name this Paper. 2nd—How much stock have you! 2nd—1nd you over us a "ITERNATIONAL STOCK PF for Mores, Calido, these, Bogs, Colic. Caliver, Lambo or Fig. 7th Editor which the paper with the paper w

BILTMORE FARMS, BILTMORE, N. C.

SECOND ANNUAL BROOD SOW SALE TO BE HELD ON THE FARMS FEB. 4, 1902

The choicest selection of Imported and Home Bred sows ever offered to the public. These were almost without exception reserved for our breeding herd, and include some 10 daughters of the great Highelere Topper; three daughters of King Longfellow possibly the last to be sold at public auction; four daughters of Columbia's Duke, the very last that the Farms have for sale, either privately or publicly; the choicest of our last Importation; Pan-American winners, and altogether, for individual merit and breed

SPECIAL RATE OF ONE AND ONE-THIRD FARES FOR THE ROUND TRIP HAS BEEN GIVEN BY THE RAILROADS FROM ALL POINTS. Write for Catalogue and Full Information to Biltmore Farms, Biltmore, N. C. Auctioneer, R. R. Bailey, Gibson City, III.

F. A. Scott, Field Man for this paper, will attend the sale in person and will handle all mail bids intrusted to him to the best of his ability. Address all letters containing bids to him, BILTMORE FARMS, BILTMORE, N. C.



Auctioneer, R. R. Balley, Gibson City, III.

Foreign and the property of the control of the cont



Gentry Bros. Stock Farm

SEDALIA, MO.

Grand Duke of Haselhurst 135494, assisted by Waterloo Duke of Cedar Vale 130056, heads our herd of pure Bates and Bates topped, pure Scotch and Scotch topped cows of the most fashionable fami-lies. Stock for sale at all times as reasonable prices. Parties mes at itsis. Parm two miles out. Telephone No. 30.

SCOTT & MARCH, Breeders of

Registered Herefords.

BELTON, MO.

ORTIZ FRUIT FARM, MEXICO, SHORTHORN CATTLE of pure Scotch, Bates and leading American families. BERKSHIEE'S of leading families of the breed. English Setters and Scotch Terriers that have been winners at leading banch shows of this country. Stock of all kinds for sale. Visitors always wolcome.

H. B. GUTHRIE, Mexico, Mo.



C. A. STANNARD, Emporia, Kan.

Registered Shorthorn Cattle

AND POLAND-CHINA HOOS, Bred and For Sale by H. A. BARBER, WINDSOR, MO.

SHORTHORN BULLS FOR SALE Foundation of herd mostly of Bates breeding, Scotch Topped. Herd headed by ORANGE DUKE 3rd, 188621. M. R. AMICK, WINDSOR, MO. Call on or address

HEREFORDS Gudgell & Simpson 600 HEAD IN HERD. Independence, Mo

ST. LOUIS NATIONAL STOCK YARDS.

THE LIVE STOCK MARKET OF ST. LOUIS. Located at East St. Louis, directly opposite the city of St. Louis. Shippers should see that their stock is billed directly to the

National - Stock - Yards.
C. G. KNOX, V.-Pres. C. T. JONES, Gen. M'gr. L. W. KRAKE, As'st. Gen. Mgr.

BLACKLEGINE"

Pasteur Blackleg Vaccine Quite Ready for Use.

This is in the form of a cord impregnated with the vaccine. Each dose is separate and applied with a special needle. The dose is hitched on to a notch in the needle and then inserted under the skin at the shoulder. The needle is provided with a detachable handle. Vaccination with "Blacklegine" is as rapid and easy as taking a stitch. There is no dissolving, or mixing, or filtering a powder; no injecting or trouble in measuring doses; no expensive syringe outfit.



BLACKLEGINE OUTFIT, SHOWING NEEDLE INSERTED IN HANDLE AND DOSE OF VACCINE ATTACHED READY FOR VACCINATING.

Prices: "Single Blacklegine" (for common stock): No. 1 (ten doses), \$1.50; No. 2 (twenty doses), \$2.50; No. 3 (fifty doses), \$6.00.

"Double Blacklegine" (for choice stock) (first lymph and second lymph, applied at an interval of eight days), \$2.00 per packet of ten double doses. Blacklegine Outfit (handle and two needles), 50 cents.

PASTEUR VACCINE COMPANY, Chicago, New York, Omaha, Kansas City, Ft. Worth, San Francisco

SHORTHORNS, BERKSHIRES and JACKS Shorthorns Scotch or Scotch Top and Bales mostly. Berkshires best blood in America and England Stock of all ages and both sex for sale. Call on or address.

TEBO LAWN HERD OF SHORTHORNS -OWNED BY-

C. M. CASEY, SHAWNEE MOUND, HENRY COUNTY, MO. Railway Station,! Clinton, Mo.

LINES OF BREEDING—"The Casey Mixture," Cruickshanks and other Scotch cartle, Bates and Renick Rose of Sharons.

HERD BULLS—Inp. Colymic 136522, bred by Wm. Duthie; imp. Bythe Vister 14050a. bred by W. S. Marri, Admiral Scotty 133572, bred by Col. C. E. Leonard; Vister Bashth' 182737, bred by J. R. Crawford & Sons; Vister Abbett, bred by T. J. Wallace & Son, Address all correspondence to

C. M. CASEY, CLINTON, MO., RURAL ROUTE NO. 1.

Blackwater Shorthorns. F. M. Marshal, Prop. BLACKWATER, Herd headed by the Orulokshank Bull. Orange Here 181,585 by Godoy. Pemales are of pure Section as pure Bates, with individual merit the standard. Young stock of both "ag for sale.



H. W. KERR,

BREEDER OF RED POLLED CATTLE Good young bulls for sale. Garlinville, Ill.

of maintenance of the London Omnibus Company's horses to an aggregate of 250,000.

W. W. CORNETT, Martinaburg, Mo., advertises for sale in this issue a fine coming four-year-old Jack, the sire of which could have been sold at two different times for \$1,500, and sire of his dam sold for \$1,000 cash. Write Mr. Cornett for further information.

Berkshire Hogs, Cotswold and Shropshire Sheep. Bulls ready for service. Some choice boars and 15 bucks for sale at reasonable prices. The pure Scotch bulls Violets Prince 145,647 and Golden Sym-pathy 151,656 in service. 6 in service. JOHN MORRIS, Chillicathe, Me

FOR SALE THREE JACKS For particular and prices address.
Truxton Stock Farm. Jonesburg, Mc

FINE JACK FOR SALE.

The Latest Style, and Howard's Point, the pursuit was so close for two or three miles that the robe for the Lyon learn to know the broader and will collect themselves in case of storms. Averaging the season through a good in the storm of the whole the produced this activity. As the shades of night settled down they started on their saunt, heavily armed and ready for any emergency. They had scarcely disappeared ere another band of six men came in and occupied the hidden rendesvous. They partook of a supper of such food as they found, smoked their pipes and chatted of their exploits, especially one of recent date, in which a store not far west of the Wabash river had been burglarised.

In all Howard's Point, the pursuit was so close for two or three miles of the chances are good for raising a large per cent of the chicks. They soon learn to know the brooder and will collect themselves in case of storms. Averaging the season through a good instant and organ.

In also barraine in good second hand drygan.

The Latest Style.

We make the terms of parment eo easy that anyone can be provided the provided the storm of the chicks. They soon learn to know the brooder and will collect themselves in case of storms. Averaging the season through a good in the storms of the chances are such a very such and organ.

The Latest Style.

We make the terms of parment eo easy that anyone can be a subject to the season through a good in the collection of

COLLANS RUBLE WORLD, JANUARY & 1900.

**TOTAL TOTAL COLLANS RUBLE WORLD, JANUARY & 1900.

**TOTAL TOTAL COLLANS RUBLE WORLD, JANUARY & 1900.

**TOTAL COLLANS

The shared in a state of the control nens, we have almost got to camp right with them. The incubator is ready any time, can be run where it is the most and only expense in operating it is the kerosene used, and this does not amount to more than the feed to run hens enough to incubate an equal number of eggs. The great to move than the feed to run hens enough to incubate an equal number of eggs. The regist the hens would lay would be clear profit.

The operator of the incubator does not need to go out of doors, the work is right there are not for women folks, especially, this is appreciated. On the average there is no more labor attached to running an incubator than there is in running an incubator than there is in running an incubator becomes a company and a pleasure, while looking after the hens becomes a drudgery, too often. A good incubator comes so near running itself that what is left to run is interesting and a real rest from other work. At the end of three weeks there is a large bunch of chicks all the same age. They know no mother, hence the hens are not losing them, or killing them off in the cold, or wet grass and weeds, or drowning the hence the chances are good incubator will hatch a higher per cent of all the eggs. While it is a fact that hens sometimes hatch every egg, it is also a fact that occasionally an incubator will hatch a higher per cent of a fact that occasionally an incubator will hatch a higher per cent of a fact that occasionally an incubator will hatch a higher per cent of a fact that occasionally an incubator is more chances.

On account of the drouth the past seamon and the hens being sold off close it would be poor economy for any poultry raiser to let what hens are left nut in the cold of the more chances.

On account of the drouth the past seamon and the hens being sold off close it would be poor economy for any poultry raiser to let what hens are left nut in the cold of the more chances.

IT TAKES FIVE CATALOGUES The Largest and Cheapest

fine spun theory behind it; otherwise, don't overlook who the machine does good don't overlook who the machine does good work for, whether for experienced operators and experts, or whether for the everyday poultry raiser and those inexperienced in operating incubators.

After you have selected the incubator Bowling Green, Dec. 3 to 8, we won 22 Bowling Green, Dec. 3 to 8, we we regular and 10 special prizes, includ first, 6 seconds and 6 third prizes; son highest scoring bird in show, 96, and special on highest pair in won with pair of White Wyandottes ought to show we have the quality some of them are for sale at low for quality."

H. T. REED'S SHOW RECORD .- A Galesburg, Ill., show Nov. 25-29, 1901, on light Brahmas, first on pullet, score 94%; second on pullet, \$4; second on hen, \$2%; third on cockerel, \$9%; first on pen,

Mr. J. M. Stone, Hinton, Mo., an old patron of the RURAL WORLD, places his poultry card in this issue. He needs no introduction to our old readers, but

NO COLLEGE EDUCATION is needed to run the Sure Hate Incubator. They are so simp that they run themselves. Ma-ef California redwood, be suite ly finished; twelve conce copp ly finished; twelve conce copp

WAITED [Ledies to ground; make Battenbur location of the property of the control of the control

6

W. A

Sout nither my moo

A

ACC MAT

of all a boar M

Be Large extra goes.
Big be boars

LARG P. R. G

10

VIV

Breed Regis Young

WA of Pol of lea-to las

POLA

DI

hos

POULTRY.

Heller Chemical Co. Dept. F, Chicage, Illa-

MRS. E. A. CREEL, Carrollton, Mo. R. F. D. No. 2. Circular free.

BUFF ROCKS, S. L. Wyandottes and S. S. Ham Buff ROCKS, burgs. Good game, try me. J. E. HAYNES, Ames, III.

B. P. R'S. Boautiful as any that grow, Useful as any that cluek or Bred crow. Young stock for sale, by Write your wants.
Wepenthe Poultry Hanch. Hew Florence, Mc. 1882. FINE BIRDS.
Satisfaction or money back. Lt. Brahmas, Black
Langshans, B. Ply. Rocks, S. L. Wyandotes. They
will do you good. H. T. REED, CAMP FOREY, LL.

PURE RLACK BREASTED RED GAMES Cockerels \$1.50, Hens \$1.00, Trio. \$3.

ARE YOUR HENS LAYING? OVAMEAD, THE GREAT EGG PRODUCES. It acts on the ovidence and Makes Here Lay. Price, revealed risks for postpaid. White High Production by Malie House, and Pres on applications of AMERICA, Co., Box 64, Robbisson, O.A. CYPHERS INCUBATOR



Perfect in construction and action. Hatches every fertile agg. Write for catalogue to-day. GEO. H. STAHL, Quincy, III.

A few choice B. Plymouth Rock and B. Lang shan cockerels at reasonable prices to make room WRITE ME. Address E. B. MORGAN, LODA, ILLINOIS. FOR SALE—50 Single and Rose Comb Srown Leg-horns, 28 Single Comb White Leghorns, Switch Rocks, 108 Barred Rocks, White Rocks, 108 Barred Rocks, 108 Price, \$1.00 cach. Write for information concern-ing breeding, etc.,

6. MARK DODD. Ferguson, Mo

Barred Plymouth Rocks and M. B. Turkeys. Both young and old turkeys and good breeders and exhibition Barred P. Rocks for sale. MRS. U. E. THURMOND. R. F. D. No. 1. Louisians, Mo. FOR SALE.

I. Wyandottes, Golden Sea-

J. M. Stone, Box 30 Hinton, Mo

5500 Buys five Brown Leghorn roost-ers. 100 fine birds must go soon. For illustrated circular and partic-ulars write E. W. CEER Proprietor Glen Raven Egg Farm Farmington, Mo. l Prices—Pure bred poultry; 26 years shipped fowls and eggs to almost ever Mrs. Kate Griffith, Bowling Green, Mo

S. C. B. LEGHORNS—Pine, thrifty, farm grown Prices correct. Write to us O. S. Jenkins and Wife, Rocheport, Scone Co., Mo Mammoth W. H. Turkeys of heavy weight, large bone and clear white plu-mage, 89 h- ad to select from, also B. P. Rock and Buff Rock chickens of popula

ason. Call or write.

DWIGHT HART,

Sharpsburg, Ill. LEE'S EGG MAKER

makes fowis healthy and profitable all the year. In not sold in your town send Zie for big package, or 3: for Zipound pail. GES. H. LEE CO., Gmahn, Neb-er S Park Place, New York. Use Let's Lice Killer for lice and ustes on chickense ages 1427 68th Friago Carde, Love, Transparent, Eve Anquaintance Cartie, New Paulos, Carde, Carde,

and Brooders—the best that can be made—self tregulating—self until lating—thousands in use mating—thousands in use mating—thousands in use mating—thousands in use mating—thousands in the self-than than the self-than the self-t INCUBATORS

E. R. KOONTZ, RICHARDS, MO., Breeder of high class White H. Turkeys, Silver I Wyandottes and Barred P. Rocks

INCUBATORS AND BROODERS fancy poulity and poulity sup C. C. SIOERAERE, ther 416, Fer

The Epy Que by the
HUMPHREY Grown Soan CUTTER
Grannobod to out more bone, make med quicker
than any other or your money back. Chip span
HUMPHREY & SORS, sas 104 John, sas
HUMPHREY & SORS, sas 104 John, sas
AGENTE,
GREFFER & TORNOS CO., Butt



\$5 INCUBATORS FREE SE ren No 20 Sell skr and get one f

BIGGER THE MODERN STOVE POLISH BOX SAM E Brilliant, Clean, Easily Applied, Absolutely Odorless.



FIRE PROOF!

AMES. 0, 88.

7 at no. use use le Price, reg-il "Winter, e en appli-

ATOR,

Lork, H. Y.

roost-soon. partic-rietor n, Mo.

ER

ARDS

le, Mo.

ERS
TEM.
HatchHatchGegra
Gegra
G









the coffee bin-

Lion Coffee

put up in sealed packages insures cleanliness, uniform quality, freshness and delicious flavor.

The Markets

At close No. 2 Turkey worth about Sc. No. 8 spring sold at Sc and No. 2 white spring at 86.

CORN-Cash Market—Higher, but quiet as shipping and local demands very moderate. No. 2 sold delivered at 88½680; No. 3 white at 89½61 No. 2 white at 69½6; No. 3 yellow at 68½6; No. 3 yellow at 68½6; No. 2 white at 69½6; No. 3 white at 69½6; No. 3 white at 69½6; No. 3 white at 69½60; No. 2 white at 69½60; No. 3 white at 69½60; No. 4 white at 69½60; No. 2 white at 69½60; No. 3 white at 69½60; No. 4 white at 69½60; No. 4 white at 69½60; No. 2 white at 69½60; No. 4 white at 69½60; No. 2 white at 69½60; No. 3 white at 69½60; No. 4 white at 69½60; No. 4 white at 69½60; No. 2 white at 69½60; No. 3 white at 69½60; No. 3 white at 69½60; No. 4 white at 69½60; No. 3 white at 69½60

Wheat-		
May88% a	891/6/0911/4	91
July811/2	821/4/0/841/4 8	3% a
Corn-		
May69%@% b	69%@70@70%	701/6 a
July68% b	691/4/0691/2	691/a b
Oats-		
May48% b	@	48% b
July391/2	@	39½ n
	and oats rar	
	y. Saturday. ?	fear Ago.
Wheat-		
No. 2 red91 @8	9114 89% @90	76 @76%
No 9 mod 00 606	M1Z 991/ 69901/	791/ @7E

CLECTRIC State of the state of

The SERECE POULT TY-Sealed and upon in Chickens of the Company of the control of the Company of

VANSANT'S SEED CORN PROPOSI-W. YAMBANT & SONS, Farragut

towa, are advertisers of first-class varie-ties of field corn for seed purposes, and they desire that readers of the RURAL WORLD have full and accurate informa-tion as to what they are offering. Far-ragut is located in the famous Nishna

The state of the property of t





Write for Prices.



M'MILLAN FUR & WOOL Communication of the Market Mar



DAILY tailing Easy Press
Governors. The p
make the hardest working punp work easy
Windonlist turn in the lightest wind. Fits
all pusage. Reclusive territory. Ro takton South Canal Street, Chiange, III.

EDUCATIONAL NOTICE.

with the recent report of Wisconsin's dal-ry industry which shows, for that state alone, a value of \$22,000,000 for butter and





For Sale or Trade. Brick Hotel; sixteen rooms; steam heat and all modern conveniences. Good business established Will trade for land or any kind of stock. Address HAMILTON HOTEL, Hamilton, Ill

'A Business Education and the Place to Get It" Commercial College, Shorthand and Tolegraph School, 300 NORTH BROADWAY, 5T. LOUIS, MO. It qualifies students for all business pursuits, and sup-plies business houses, banks, reliroad and talegraph offices and profeedomal men with reliable bookkeepers, steme-graphers, telegraph operators and clerks. Positions pre-

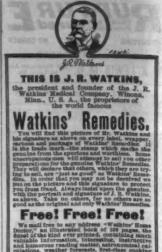
Last years enrollment 708. \$130 pays for 45 weeks' board, tuition, room rout and use of text books. For fres illustrated Catalogue address ALLEN MOORS, Proceeding, Box N. Chillothe, Mo

В DAILY FAST THROUGH TRAINS DIRECT LINE TO CINCINNATI AND LOUISVILLE. LOUISVILLE.
ONLY \$21.00 TO
NEW YORK.
STOP OVERS:
WASHINGTON,
BALTIMORE AND
PHILADELPHIA.
DINING CARS DINING CARS A LA CARTE. NEW ROADBED, TRACK AND EQUIPMENT. UNSURPASSED.

F. D. GILDERSLEEVE, Dist. Pass. Agt., St. Louis, Me



HABBY N. HAMMOND SEED CO. Lt. enormous yielders, highest quali lb., bbl., or carload. Elegant re Catalogue FREE. Write for it to



LARGE Toulouse Geese. Lowest prices, quali coasidered, at Crystal Spring Stock Fars (Bat. 1883.) CHAS. STAUDER, Nokomie, I

Columbia, Mo., Oct. 30, 1901. The machine (U. S.) did excellent work, and, as a rule, I believe it skimmed a little closer than the others we had in use. The record was invariably .02 of 1 per cent. or lower,

C. L. WILLOUGHBY,

Urbana, III., June 29, 1901.

Enclosed find records at work done rith your 3 cream separators (U. S. at the Dairy School. These are very creditable records, and we think any cream separator company can feel proud of them. Your machines have not given us the slightest trouble dur-

> OSCAR ERF. Prof. Dairy Husbandry.

Pui cal b etres wan, Adve the i in the C cai I subs wool do x less subs scril

RU

RECORD AT THE PAN-AMERICAN MODEL DAIRY

DeLaval average skimmlik test .0172, buttermilk test .121 .0138 .012 Gain of U. S. over DeLaval .0034

The above shows that the DeLaval Separator seft 25 per cent. e butter fat in the skimmilk than the United States. An imnense waste that amounts to a very large sum of money upon the dairy products of the world. Enough to pay for a United States Separator to replace every DeLaval Separator now in use.

ton Experiment Station, in Ranch and Range, Seattle, Aug. 15, 1901, reports the following tests of skimmilk from dairymen using the U. S. Separator:

.00, 00, .01, .01, .04

MISS. AGRICULTURAL & MECH. COLLEGE. AGRICULTURAL COLLEGE, MISS. Dec. 13, 1901. The Separator (U. S.) has done per-

THE ABOVE ARE ONLY A FEW OF THE MANY PROOFS THAT

The United States Separator Stands Without a Peer.

Write for Catalogues

VERMONT FARM MACHINE CO.. Bellows Fall. Vt.



"Rocky Ford Cantaloupes and Watermelons" are the Best.

BROWN'S HIGH - BRED

30 Budded Peach Trees, \$1.00-1 to 1ft New sorts, Adm. Dewsy, Emma, Triumph, Everorea, Adm. Dewey, Emma, Triumps, Everbearing.

better for vineyard planting.

better for vineyard planting.

O Asparagus Plantis, 25c-Masumoth White,
Conov r's Colosal; heavy 1 yr. plants.

Gage County Nurseries, Beatrice, Neb.

Choice Birds for Sale White Wyandottes from Dustin, direct: Barrec Piymouth Bocks, Monarch Strain, Pekin Dusks straight from Steinmeach. Are as large and at me as they grow. Are appended layers. Will sell at a bargain of taken acon. Battefaction guaranteed. MRS. G. F. TRESCOFT, Winfield, Mo.





Vansant's Cattle King good yielder-60 to 100 bushels per acre. A medium early maturing

Early Reed and Mammoth White

are our other leaders. The former is a light yellow, with ears from 9 to 13 inches long, deep grain, small cob, maturing in 100 days and yielding more than any other early corn. Mammoth White is the best White corn grown, medium early, ears from 9 to 14 inches long, white cob. : : : : : :

variety. They all want it. ::::

Our corn is all selected, tipped, shelled, sacked, and F. O. B. cars, \$1 25 per bushel. Write for sample.

W. W. VANSANT & SONS, Farragut, la.